

Automatic Transmission, multitronic 01J, from November 2004, Automatic Transmission, multitronic 0AN

From November 2004

Notes:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Rrelays

◆ Ground connections

⇒ Component Locations!

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051/5052

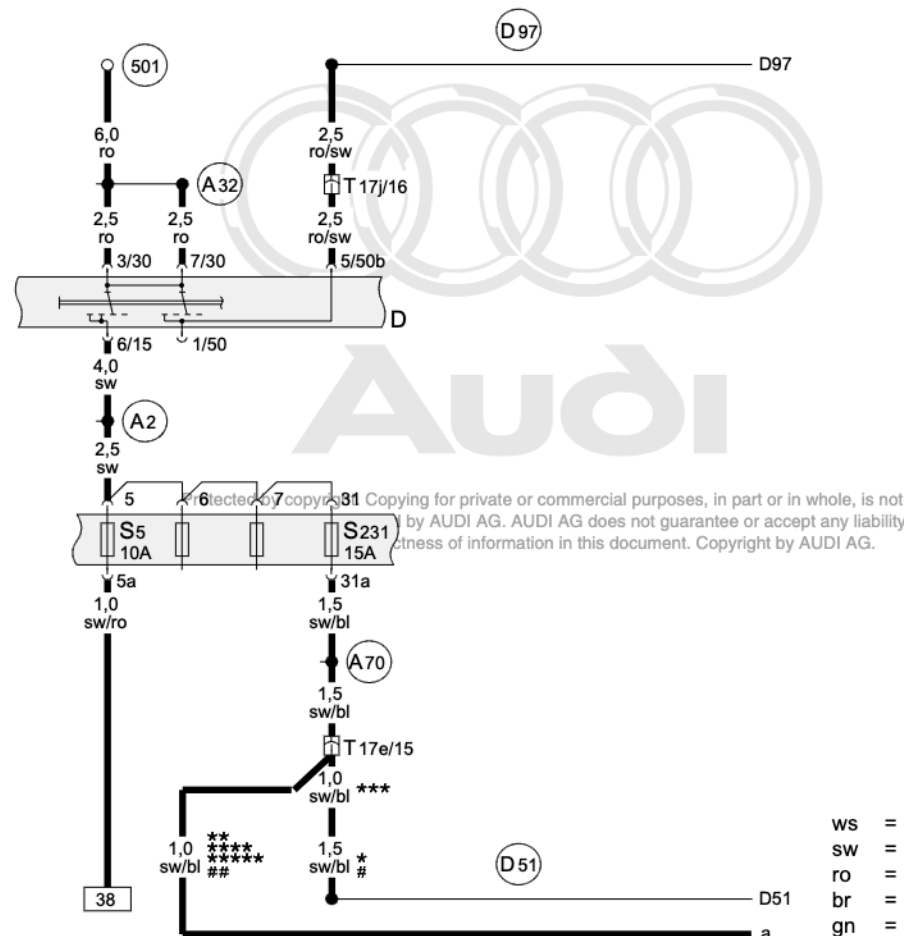


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Ignition/Starter Switch, Fuses

- D Ignition/Starter Switch
- S5 Fuse (on fuse/relay panel)
- S231 Fuse (on fuse panel)
- T17e 17-Pin Connector, white, connector station E-box, plenum chamber
- T17j 17-Pin Connector, brown, connector station E-box, plenum chamber

- 501 Threaded Connection 2 - terminal 30 (on relay panel)
- A2 Plus Connection (15) (in instrument panel wiring harness)
- A32 Plus Connection (30) (in instrument panel wiring harness)
- A70 Connection (15a, Fuse 231) (in instrument panel wiring harness)
- D51 Plus Connection (15) (in engine compartment wiring harness)
- D97 Connection (50) (in right engine compartment wiring harness)
- * for engine code BLB, BNA, BRE, BRF, BVF only
- ** for engine code AWA only
- *** for engine code BPW, BRC, BRE, BRF, BVF, BVG only
- **** for engine code BFB, ALT, BGB, BPG, BWE, BWT only
- ***** for engine code BBJ only
- # for engine code BDG only
- ## for engine code AUK, BKH only

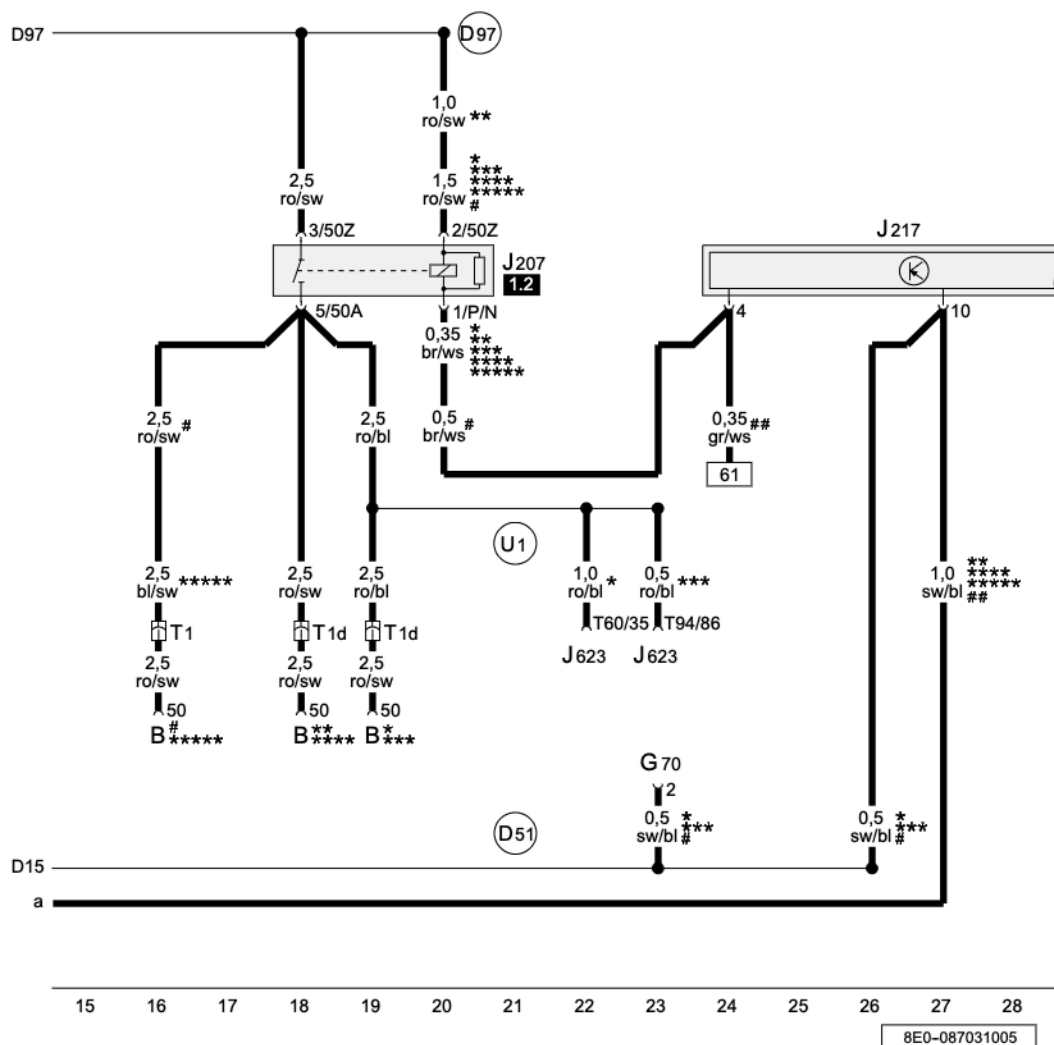


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Starting Interlock Relay, Transmission Control Module (TCM)

- B Starter
- G70 Mass Air Flow (MAF) Sensor
- J207 Starting Interlock Relay
- J217 Transmission Control Module (TCM)
- J623 Engine Control Module (ECM)
- T1 1-Pin Connector, black, engine compartment, right
- T1d 1-Pin Connector, black, engine compartment, left
- T60 60-Pin Connector, black
- T94 94-Pin Connector, black
- D51 Plus Connection (15) (in engine compartment wiring harness)
- D97 Connection (50) (in right engine compartment wiring harness)
- U1 Connection (50) (in automatic transmission wiring harness)

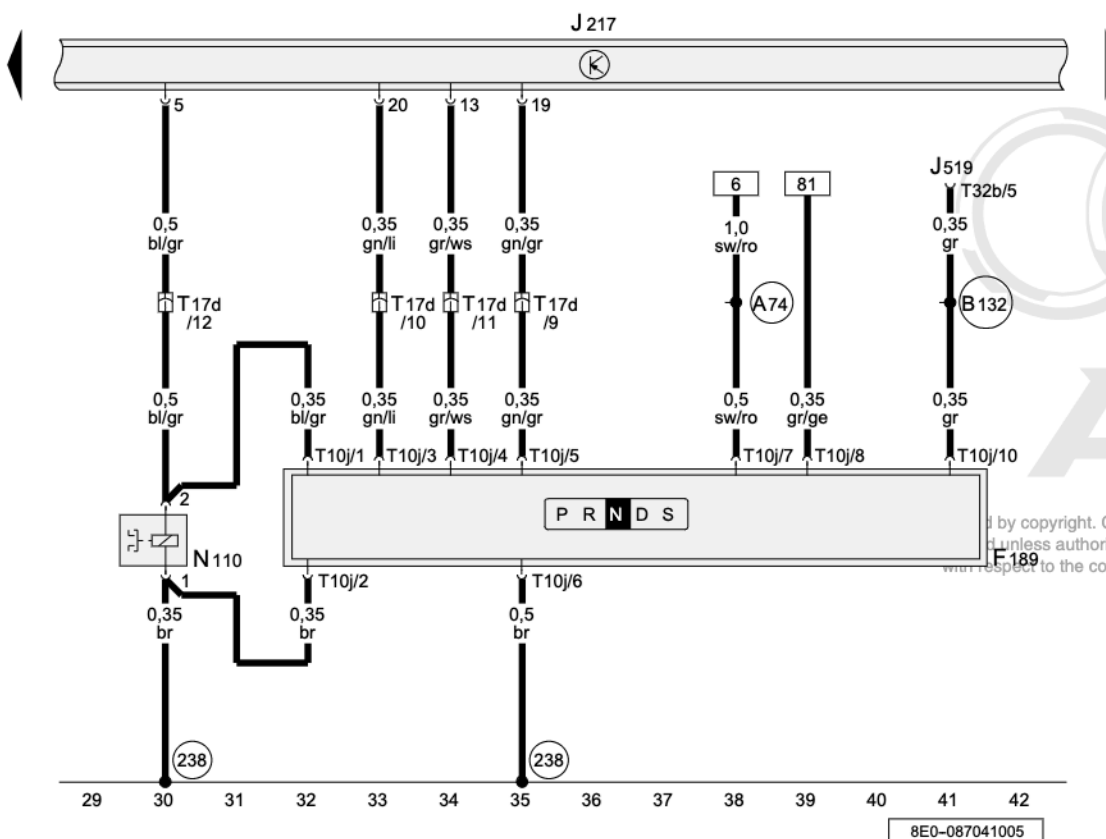
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Tiptronic Switch, Shift Lock Solenoid

- F189 Tiptronic Switch
- J217 Transmission Control Module (TCM)
- J519 Vehicle Electrical System Control Module
- N110 Shift Lock Solenoid
- T10j 10-Pin Connector, black, on Tiptronic Switch
- T17d 17-Pin Connector, red, connector station E-box, plenum chamber
- T32b 32-Pin Connector, grey, on vehicle Electrical System Control Module

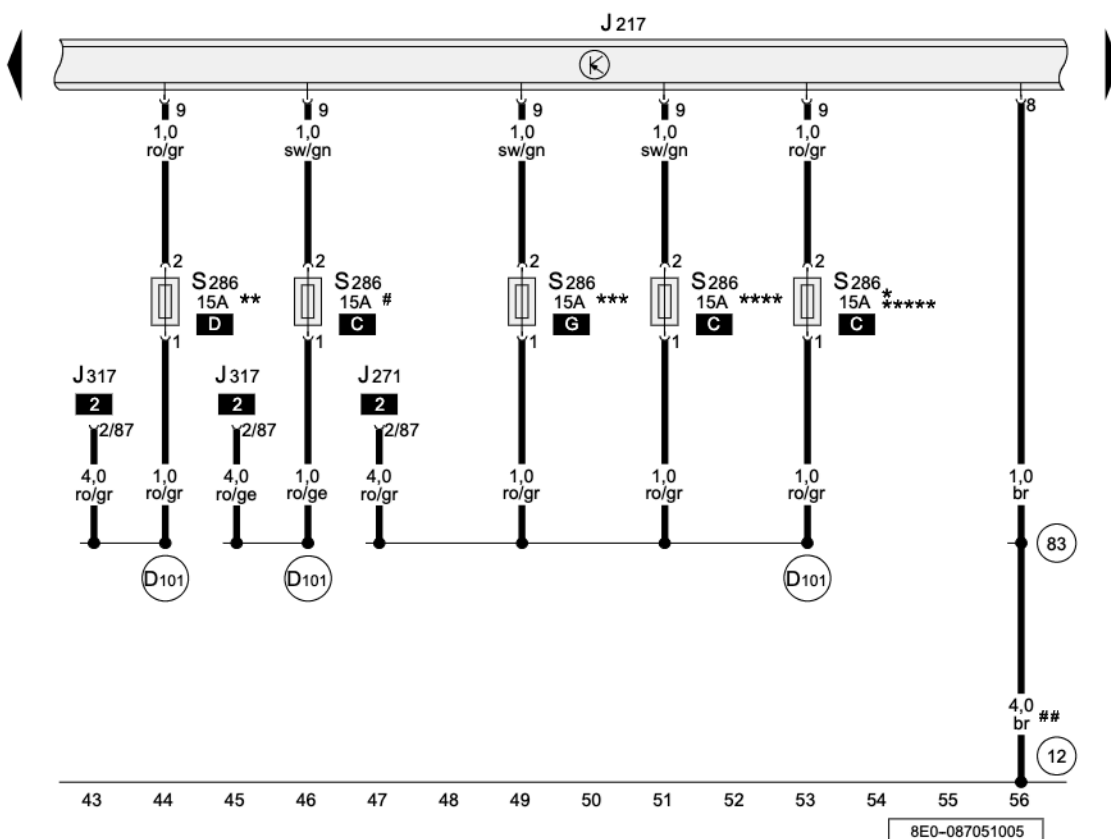
- (238) Ground Connection 1 (in interior wiring harness)
- (A74) Connection (15a - Fuse 5 (in instrument panel wiring harness))
- (B132) License Plate Light Connection (in interior wiring harness)



Automatic Transmission After-Run Fuse

- J217 Transmission Control Module (TCM)
- J271 Motronic Engine Control Module (ECM) Power Supply Relay
- J317 Power Supply Relay (terminal 30, B+)
- S286 Automatic Transmission After-Run Fuse

- 12 Ground Connection (in engine compartment, left)
- 83 Ground Connection 1 (in right front wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- * for engine code ALT only
- ** for engine code BLB, BNA, BPW, BRC, BRE, BRF, BVF, BVG only
- *** for engine code BGB, BPG, AUK, BKH, BWE, BWT only
- **** for engine code BFB, AWA only
- ***** for engine code BBJ only
- # for engine code BDG only
- ## 6.0 mm² cross-section where applicable



K-Diagnosis, CAN-Bus (Data bus)

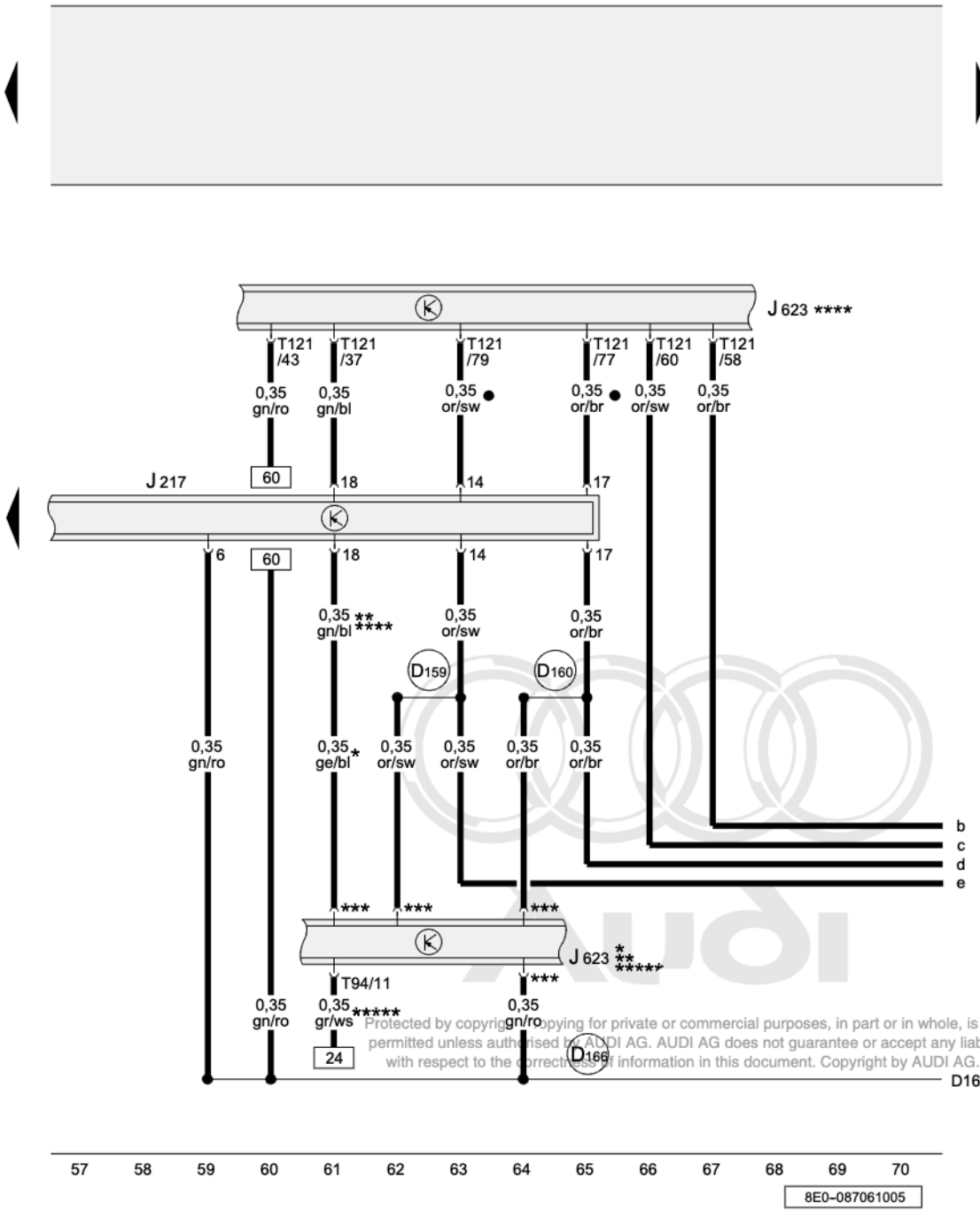
J217 Transmission Control Module (TCM)
J623 Engine Control Module (ECM)
T94 94-Pin Connector, black
T121 121-Pin Connector, black

D159 High-Bus Connection (in engine compartment wiring harness)

D160 Low-Bus Plus Connection (in engine compartment wiring harness)

D166 K-Diagnosis Connection (in engine wiring harness)

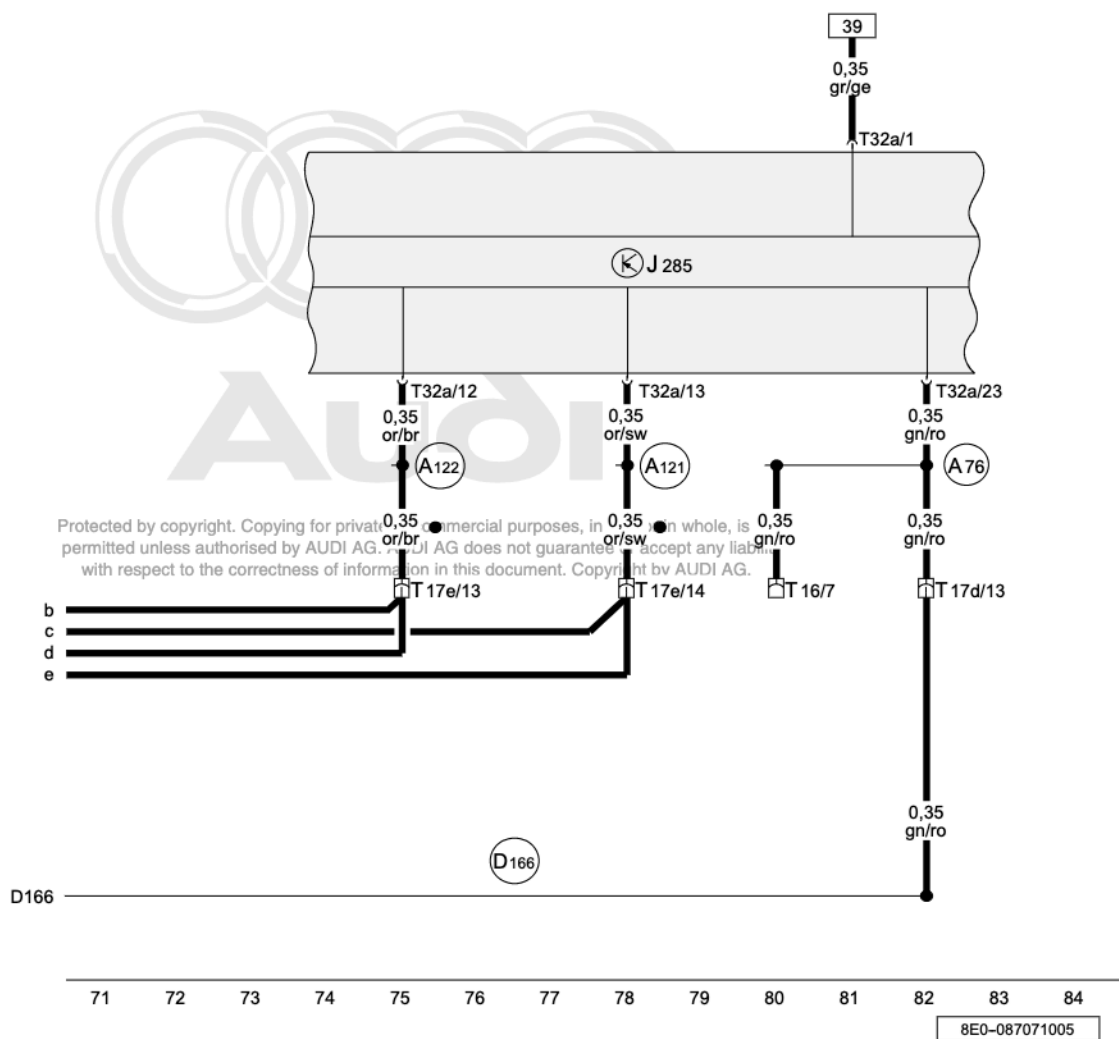
* for engine code BLB, BNA, BPW, BRC, BRE, BRF, BVF, BVG only
** for engine code BGB, BDG, BPG, AWA, BWE, BWT only
*** ⇒ Current wiring diagram for engine
**** for engine code BBJ, BFB, ALT only
***** for engine code AUK, BKH only
• CAN-Bus (Data bus)



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Instrument Cluster Control Module

- J285 Instrument Cluster Control Module
- T16 16-Pin Connector, black, diagnostic connection
- T17d 17-Pin Connector, red, connector station E-box, plenum chamber
- T17e 17-Pin Connector, white, connector station E-box, plenum chamber
- T32a 32-Pin Connector, green, on instrument panel insert
- (A76) K-Diagnosis Wire Connection (in instrument panel wiring harness)
- (A121) High-Bus Connection (in instrument panel wiring harness)
- (A122) Low-Bus Connection (in instrument panel wiring harness)
- (D166) K-Diagnosis Connection (in engine wiring harness)
 - CAN-Bus (Data bus)



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